



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 2314

SERIAL NUMBER 10/043,597	FILING DATE 01/09/2002 RULE	CLASS 360	GROUP ART UNIT 2651	ATTORNEY DOCKET NO. Q02-1001-US1
-----------------------------	---------------------------------------	--------------	------------------------	-------------------------------------

APPLICANTS

Dan Gunderson, Westminster, CO;
 Doug Gunther, Westminster, CO;

** CONTINUING DATA *None*

** FOREIGN APPLICATIONS *None*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
 ** 02/13/2002

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY CO	SHEETS DRAWING 4	TOTAL CLAIMS 36	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature _____ Initials _____				

ADDRESS
 ROBERT A SALTZBERG
 MORRISON AN FOERSTER LLP
 425 MARKET STREET
 SAN FRANCISCO, CA
 94105

TITLE
 Enhanced read margining using dither enhanced write marginalization for mass data storage applications

FILING FEE RECEIVED 1158	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
------------------------------------	-------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------